

General Environmental Incident Summary

Incident: 3825 **Date/Time Notice:** 7/16/2015 0945 **DEM Incident No:**
Responsible Party: ONEOK Rockies Midstream
Date Incident: 7/16/2015 **Time Incident:** 0945 **Duration:** 15 minutes
County: McKenzie **Twp:** 151 **Rng:** 98 **Sec:** 35 **Qtr:**
Lat: 47.85267 **Long:** -103.17850 **Method:** Interpolation from map
Location Description: Garden Creek I Gas Plant
3007121 Avenue NWWatford CityND58854
Submitted By: Kim Rudningen **Affiliation:** ONEOK - Environmental Specialist
Address: 2700 Lincoln Ave SE
City: Sidney **State:** MT **Zip:** 59270

Received By:

Contact Person: Byron Skaley
2700 Lincoln Ave SE
Sidney, MT 59270

Distance Nearest Occupied Building: **Release Contained:** Yes

Type of Incident: Pipeline Leak

Description of Released Contaminant: natural gas condensate

Volume Spilled: 10.00 gallons **Ag Related:** No

EPA Extremely Hazardous Substance: No **Reported to NRC:** No

Cause of Incident:

A condensate leak was discovered underground on the pipe between the plant and pressurized condensate tanks. Upon excavation, only 10 gallons or less of condensate spilled into the hydrovac hole before the line was taken out of service. However, it was determined that ground around the pipe was saturated with natural gas condensate of an unknown volume.

Risk Evaluation:

There were no immediate risks to health. Upon discovery of highly saturated soil, work was stopped until a safe work plan could be made and the soil is allowed to air out.

of Fatalities: **# of Injuries:** **Affected Medium:** 03 - soil

Potential Environmental Impacts:

Currently there is no impact to surface or ground water. The soil surrounding the leak is saturated with liquid condensate. The leak has been stopped and plans for further clean up action are being made.

Action Taken or Planned:

The condensate line was taken out of service and purged with nitrogen which stopped the leak immediately. A third party has been contacted to assist with investigation and future action as determined and required for any historical contamination that exists as a result of this leak.

Wastes Disposal Location: Amount of impacted soil is not determined at this time. It will be segregated and removed to a certified landfill once removal commences.

Agencies Involved:

Updates

Date: 7/16/2015 **Status:** Reviewed - Follow-up Required

Author: Crowdus, Kory

Updated Volume:

Notes:

Release impacted areas off location. Follow-up is required.

Program Managers Note: Verbiage used at the time of this incident indicated that "Off Location" meant that the spill was not contained within a secondary or tertiary containment structure. A full delineation of the site has shown that the impacted area is fully within the boundaries of the Garden Creek Gas Plant. WCS- 8/26/2019

Date: 7/21/2015 **Status:** Inspection

Author: Espe, Brady

Updated Volume:

Notes:

I arrived at the site at 9:15 a.m. The weather was sunny, 77°F, with the wind from the southeast 10-15 mph. I met with company personnel and we proceeded to walk over the area. The area is taped off, they have exposed the line. However; they have not been able to dig up more soil to fix the line. The cleanup crew is working on airing out area. When the work environment is safe the line will be repaired and the impacted soil will be evaluated for cleanup. Pictures and samples will be submitted to the department. More follow-up needed to check on clean-up progress.

Date: 8/7/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Received work plan for cleanup.

Date: 6/19/2017 **Status:** Correspondence

Author: Striebel, Ivana

Updated Volume:

Notes:

6/19/2017 - Site will be inspected during quarterly inspections.

Date: 8/23/2019 **Status:** Reviewed - Assigned to NDDEQ Division

Author: Suess, Bill

Updated Volume:

Notes:

This site was assigned to the Groundwater Protection Program on May 23, 2017 and site was visit by myself and Shawna N. That update was inadvertently missed.

Oneok has not estimated the volume released, however they have recovered approximately 5, 800 bbls of condensate from the site.

I met with Oneok personnel on site on 8/20/2019 and again on 8/21/2019 to review remediation procedures and update other State personnel.

No photos taken during any location visits due to company policy.

Date: 8/23/2019 **Status:** Inspection

Author: Striebel, Ivana

Updated Volume:

Notes:

5/30/2019 - Onsite at 1:30 pm, 84° F, winds from the west 10-15 mph. Met with a representative of the contractor that is running remediation equipment. He stated that they are removing approximately 250 bbls/wk of contamination. There is a plan to upgrade this system this fall.

Responsible party is hoping to find a full time individual to run this remediation project/equipment.

Responsible party gave a tour of the wells and the ICE unit. Offsite at 1:39 pm. No photos taken.

Further action needed.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

7/26/2017 - WebEx Online Update Meeting with OneOK and AECOM concerning Garden Creek Status.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

9/29/2017 - WebEx Online Update Meeting with OneOK and AECOM concerning Garden Creek status.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

1/29/2018 - WebEx Online Meeting with OneOK and AECOM concerning updates and upcoming field season work on the Garden Creek Plant.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

10/1/2018 - Presentation of completed Site Assessment Report and work update by AECOM for GWPP and OneOK employees. Received Site Assessment Report of Garden Creek Plant from AECOM. Added to incident folder.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

7/24/2019 - WebEx Online Update Meeting with OneOk and AECOM concerning Garden Creek site.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

5/24/2017 - Received update Interim Summary 4 for Garden Creek Plant. Added to incident folder.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

9/29/2017 - Received Interim Summary 5 from AECOM for Garden Creek Plant. Added to incident folder.

Date: 8/29/2019 **Status:** Correspondence

Author: Nieraeth, Shawna

Updated Volume:

Notes:

3/1/2018 - Received Interim Summary 6 from AECOM for Garden Creek Plant. Added to incident folder.

Date: 9/3/2019 **Status:** Correspondence

Author: Anderson, Carl

Updated Volume:

Notes:

The total recovered fluid volume is 845,732 gallons (includes condensate plus groundwater).

Date: 9/6/2019 **Status:** Correspondence - More Follow-up Required

Author: Anderson, Carl

Updated Volume:

Notes:

As of August 30, 2019, the amount of condensate recovered is estimated at 862,735 gallons, which includes 7,811 gallons recovered during pump testing and well development; 829,975 gallons recovered from the condensate liquid recovery system; and 24,949 gallons recovered during operation of the interim soil vapor extraction system. In addition, approximately 55,579 gallons of water have been recovered during liquid condensate recovery efforts.

Tasks that are planned for the remainder of 2019 include, but are not limited to: continuing the operation of the liquid condensate recovery system and conducting system performance assessments; continuing the operation of the interim soil vapor extraction system; beginning the construction, startup, and operation of a site-wide soil vapor extraction system, which includes the decommissioning of parts of the liquid condensate recovery system; conducting monthly fluid level measurements in monitoring wells; and collecting groundwater samples from monitoring wells.